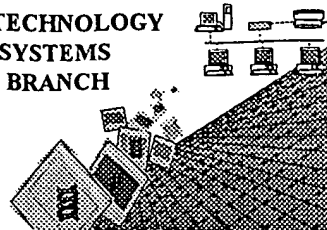


CRFI
RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



1800

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/978,360
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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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09978360

OIPE

RAW SEQUENCE LISTING

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:14

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Output Set: N:\CRF4\12312002\I978360.raw

3 <110> APPLICANT: Edwards, Jean-Baptiste Dumas Milne
4 Duclert, Aymeric
5 Bougueleret, Lydie
6 Jobert, Severin
7 Clusel, Catherine
9 <120> TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
11 <130> FILE REFERENCE: 56.US4.CIP
13 <140> CURRENT APPLICATION NUMBER: US 09/978,360
14 <141> CURRENT FILING DATE: 2001-10-15
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17 <151> PRIOR FILING DATE: 1997-11-13
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62 <151> PRIOR FILING DATE: 2000-09-15
64 <160> NUMBER OF SEQ ID NOS: 810
66 <170> SOFTWARE: Patent.pm

see pp 2-10

**Does Not Comply
Corrected Diskette Needed**

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RAW SEQUENCE LISTING

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:14

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Output Set: N:\CRF4\12312002\I978360.raw

ERRORED SEQUENCES

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6517 110            115            120            125
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6520           130            135            140
6521 cgt tga tctctgggct ggggactgaa ttctctgatgt ctgagtcctc aaggtgactg      489
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27111 <211> LENGTH: 49

27112 <212> TYPE: PRT

see p.3

560 ← insert
cumulative
nucleotide
total

RAW SEQUENCE LISTING

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:18

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27115 <400> SEQUENCE: 491

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27119 20 25 30
27120 Met Glu Arg Arg Val Lys Met Thr Ser Cys Pro Ser Cys Pro Arg Phe
27121 35 40 45
27122 Cys

see p.4 for error explanation

VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:20

enon
exploration

Input Set : N:\Crif3\dbback2\Datahold\EFS\09978360\SEQLIST_56US4_NtC.txt
Output Set: N:\CRF4\12312002\I978360.raw

Use of n's or Xaa's (NEW RULES) :

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

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Seq#:5; Xaa Pos. 259
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Seq#:16; N Pos. 1695
Seq#:18; N Pos. 336
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Seq#:29; N Pos. 625,1411,1432,1440,1450,1506
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VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:20

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VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:20

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VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

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VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

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VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:20

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Seq#:635; Xaa Pos. -8,100,101,143,153,156,182,184,188,192,199,202,203,214
Seq#:635; Xaa Pos. 229,230,233,234
Seq#:636; Xaa Pos. 11,51,53,69,75,83,85
Seq#:637; Xaa Pos. 40
Seq#:638; Xaa Pos. 63,69
Seq#:640; Xaa Pos. 18,79,90,93
Seq#:642; Xaa Pos. 2,3,58,61
Seq#:644; Xaa Pos. 11
Seq#:645; Xaa Pos. -52,-45,-42,-39,27,97,104,124,127
Seq#:647; Xaa Pos. 56
Seq#:649; Xaa Pos. 15
Seq#:651; Xaa Pos. 54,55,56,74,76,89,103
Seq#:652; Xaa Pos. -70,-69
Seq#:653; Xaa Pos. 24,30,42,77,82,95
Seq#:654; Xaa Pos. 46,64
Seq#:656; Xaa Pos. -25,-2,4,83
Seq#:657; Xaa Pos. 52,89,90,97,99

VARIABLE LOCATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

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Input Set : N:\Crif3\dbback2\Datahold\EFS\09978360\SEQLIST_56US4_NtC.txt

Output Set: N:\CRF4\12312002\I978360.raw

Seq#:659; Xaa Pos. 20,98,99,100,101,103,150,151,152,173
Seq#:660; Xaa Pos. -79,-78,-76,22,36,46,51,57,70,73,74,111
Seq#:661; Xaa Pos. -32,-31
Seq#:663; Xaa Pos. 41,44
Seq#:664; Xaa Pos. -48,-47,-46,-39,-23,-22,17,41,42
Seq#:665; Xaa Pos. 48,50,74,76
Seq#:668; Xaa Pos. 36,47,54,65,70,103,107,108
Seq#:669; Xaa Pos. 11,15
Seq#:670; Xaa Pos. 44,47,58,91,99,100,107,113,116,132,134,135,140,159
Seq#:671; Xaa Pos. 72,74,77,82,92,105,115,124
Seq#:672; Xaa Pos. 25,55
Seq#:673; Xaa Pos. -8,53,57
Seq#:674; Xaa Pos. 62,82,85,95,112,186,212,244
Seq#:675; Xaa Pos. 5,10,19,33
Seq#:676; Xaa Pos. -26,-19,-2
Seq#:677; Xaa Pos. 77
Seq#:678; Xaa Pos. 75
Seq#:680; Xaa Pos. 101,110,114,136
Seq#:681; Xaa Pos. 20,75,82
Seq#:682; Xaa Pos. 23,30,41,62,63,73,86,95,102
Seq#:683; Xaa Pos. 83
Seq#:684; Xaa Pos. 6,14
Seq#:685; Xaa Pos. 41,42,60,64
Seq#:687; Xaa Pos. 9,32,37,50,51,55
Seq#:691; Xaa Pos. -46,125
Seq#:692; Xaa Pos. 4,78,112
Seq#:720; Xaa Pos. -67
Seq#:786; Xaa Pos. -5,42,58
Seq#:787; Xaa Pos. 49,74,75,88,98,104,112,114,120
Seq#:789; Xaa Pos. 48
Seq#:790; Xaa Pos. 27,28,43,44,49,50,52,53
Seq#:791; Xaa Pos. -65,31,34
Seq#:792; Xaa Pos. 48,52,55,59,65
Seq#:794; Xaa Pos. 81,84,87,131,135,143,156
Seq#:795; Xaa Pos. 32,91,98
Seq#:797; Xaa Pos. 32,100
Seq#:798; Xaa Pos. 31,84,88,90,94,100,110,113,117,122,152,153,173,193,194
Seq#:799; Xaa Pos. 37,43
Seq#:800; Xaa Pos. 56,70,107,110,113,178,181,183,195,200,202,204,230,231
Seq#:800; Xaa Pos. 244
Seq#:802; Xaa Pos. 74
Seq#:803; Xaa Pos. 4
Seq#:804; Xaa Pos. -26,-25,-24
Seq#:805; Xaa Pos. 40,41,43,60,70,76,82,86,105,107
Seq#:806; Xaa Pos. 59,69,78,85,87
Seq#:807; Xaa Pos. 70,139,141,154,156,165
Seq#:810; Xaa Pos. 24,25,29,87

VERIFICATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/978,360

TIME: 08:22:20

Input Set : N:\Crif3\dbback2\Datahold\EFS\09978360\SEQLIST_56US4_NtC.txt

Output Set: N:\CRF4\12312002\I978360.raw

L:83 M:283 W: Missing Blank Line separator, <220> field identifier
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:188 M:283 W: Missing Blank Line separator, <400> field identifier
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:880
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:928
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:610 M:283 W: Missing Blank Line separator, <400> field identifier
L:1293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:1638
L:1425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:303
L:1709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:292
L:1710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:340
L:1712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:340
L:1713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:388
L:1822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:918
L:2294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:240
L:2296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:360
L:2348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:1373
L:2411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:622
L:2424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:1402
L:2425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:1462
L:2854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:541
L:2919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:811
L:2983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:872
L:2986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:1052
L:3055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:922
L:3066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:1582
L:3194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:713
L:3400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:60
L:3416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:489
L:3472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:456
L:3530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:516
L:3578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:262
L:3579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:310
L:3786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:918
L:3837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:590
L:4374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:4531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:632
L:4771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
L:4901 M:283 W: Missing Blank Line separator, <400> field identifier
L:5560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:218
L:5569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:362
L:5570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:410
L:6377 M:283 W: Missing Blank Line separator, <220> field identifier
L:6525 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:560 SEQ:98
L:6542 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:99
L:6545 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:99
L:6548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:99
L:6594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:100

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/978,360

DATE: 12/31/2002

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Input Set : N:\Crif3\dbback2\Datahold\EFS\09978360\SEQLIST_56US4_NtC.txt

Output Set: N:\CRF4\12312002\I978360.raw

L:6632 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:101
L:6635 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:101
L:6638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:101
L:6682 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:102
L:6739 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:103
L:6742 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:103
L:6745 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:103
L:6758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:194
L:6759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:242
L:6790 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:104
L:6793 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:104
L:6882 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:105
L:6885 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:105
L:6985 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:107
L:6988 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:107
L:6991 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:107
L:7042 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:7045 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:7048 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:7092 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:109
L:7095 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:109
L:7121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:110
L:7124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:110
L:7127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:110
L:7216 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:112
L:7219 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:112
L:7252 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:113
L:7255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:113
L:7304 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:114
L:7307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:114
L:7344 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:115
L:7347 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:115
L:7390 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:116
L:7393 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:116
L:7396 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:116
L:7408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:264
L:7409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:312
L:7474 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117
L:7477 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117
L:7514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:118
L:7517 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:118
L:7585 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:119
L:7620 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:120
L:7655 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:121
L:7658 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:121
L:7661 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:121
L:7743 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:122
L:7746 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:122
L:7749 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:122

VERIFICATION SUMMARY

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TIME: 08:22:20

Input Set : N:\Crif3\dbback2\Datahold\EFS\09978360\SEQLIST_56US4_NtC.txt

Output Set: N:\CRF4\12312002\I978360.raw

L:7750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:7781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:953
L:7798 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:123
L:7955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:963
L:8575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
L:8576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:53
L:8600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:977
L:9761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:145
L:9765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:253
L:27116 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:491
L:33663 M:283 W: Missing Blank Line separator, <220> field identifier